

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in this application. Added text is indicated by underlining, and deleted text is indicated by ~~striketrough~~. Changes are identified by a vertical bar in the margin.

Listing of Claims:

1 1. (currently amended) In a certificate issuing system comprising:
2 a print terminal having print means for printing certificate data on a print form,
3 microchip reading means for reading a microchip ID stored in a microchip contained within said
4 print form, input means for inputting a personal certification ID, and print terminal
5 communication means; and
6 a certificate issuer system having certificate issuer communication means for
7 performing communication with said print terminal, certificate storage means having stored
8 therein a plurality of predetermined certificate data, and issue management storage means for
9 storing certificate issue management data,
10 a certificate issuing method comprising the steps of:
11 attaching a microchip to one of a plurality of print forms, said microchip
12 having a unique microchip ID to others,
13 reading a microchip ID from a print form via said microchip reading
14 means, said print form having contained within it a microchip having a unique microchip ID
15 associated with the print form,
16 reading a personal certification ID of an applicant via said input means,
17 sending said personal certification ID and said microchip ID to said
18 certificate issuer system from said print terminal through said print terminal communication
19 means, wherein said print terminal is located in a user's home and said certificate issuer system
20 is located at a remote location away from said user's home,
21 reading a first certificate data associated with said personal certification ID
22 from among said predetermined certificate data stored in said certificate storage means of said
23 certificate issuer system,

24 storing said microchip ID and said first certificate data to be issued in
25 association with said issue management storage means of said certificate issuer system after said
26 microchip ID is received at said certificate issuer system through said certificate issuer
27 communication means,

28 verifying said first certificate data at said certificate issuer system,
29 subsequent to said verifying, sending said first certificate data via said
30 certificate issuer communication means to said print terminal, and

31 printing on said print form said first certificate data and information
32 indicating that said print form is verified, after said first certificate data is received at said print
33 terminal through said print terminal communication means, said printing thereby being
34 performed at said user's home.

1 2. (currently amended) In a certificate verifying system comprising a
2 verification terminal having microchip reading means for reading microchip ID of a microchip
3 attached to a print form on which certificate data is printed, display means for displaying
4 received data, and verification terminal communication means; and a certificate issuer system
5 having certificate issuer communication means for performing communication with said
6 verification terminal, certificate storage means for storing a plurality of certificate data, and issue
7 management storage means for storing certificate issue management data,

8 a certificate verifying method comprising the steps of:

9 attaching a microchip to one of a plurality of print forms, said microchip
10 having a unique microchip ID to others,

11 reading a microchip ID from a print form via said microchip reading
12 means, said print form having contained therewithin a microchip having a unique microchip ID
13 associated with the print form,

14 sending said microchip ID to said certificate issuer system from said
15 verification terminal through said verification terminal communication means,

16 reading a first certificate data associated with said received microchip ID
17 from among said plurality of certificate data at said certificate issuer system with reference to

18 said issue management storage means and said certificate storage means, and sending said
19 certificate data to said verification terminal through said certificate issuer communication means,
20 and

21 displaying said certificate data on said display means, after said certificate
22 data is received through said verification terminal communication means,
23 wherein said certificate data is obtained at a user's home.

1 3. (Previously presented) The certificate verifying method according to
2 Claim 2,

3 wherein said certificate issuer communication means is capable of performing
4 communication with a verification terminal having microchip reading means for reading
5 microchip ID of a microchip contained in a print form on which certificate data is printed,
6 display means for displaying received data, and verification terminal communication means; and

7 wherein said certificate verifying method comprising the steps of:

8 sending said microchip ID to said certificate issuer system from said
9 verification terminal through said verification terminal communication means, after said
10 microchip ID is read by said microchip reading means of said verification terminal;

11 reading said first certificate data in association with said received
12 microchip ID at said certificate issuer system with reference to said issue management storage
13 means and said certificate storage means, and sending said first certificate data to said
14 verification terminal through said certificate issuer communication means; and

15 displaying said first certificate data on said display means of said
16 verification terminal, after said first certificate data is received through said verification terminal
17 communication means.

1 4. (Currently amended) In a certificate issuer system comprising:
2 certificate issuer communication means for performing communication with a
3 print terminal;
4 certificate storage means for storing certificate data; and
5 issue management storage means for storing certificate issue management data,

said certificate issuer system being capable of performing communication with said print terminal having print means for printing said certificate data on a print form, microchip reading means for reading microchip ID in a microchip built into said print form, input means for inputting personal certification ID, and print terminal communication means,

a certificate issuing method comprising the steps of:

attaching a microchip to one of a plurality of print forms, said microchip having a unique microchip ID to others,

reading a microchip ID from a print form via said microchip reading means, said print form having a microchip built thereinto having a unique microchip ID associated with the print form,

reading a personal certification ID of an applicant via said input means, receiving said personal certification ID and said microchip ID through said certificate issuer communication means, after said personal certification ID and said microchip ID are sent from said print terminal;

reading said certificate data in association with said personal certification ID from said certificate storage means;

storing said received microchip ID and said certificate data to be issued in association with said issue management storage means; and

sending from said certificate issuer system said certificate data in association with said certificate ID, as data to be printed on said print form having said microchip attached thereto, to said print terminal through said certificate issuer communication means,

wherein said print terminal is located in a user's home and said certificate issuer system is located at a remote location away from said user's home, and

wherein when said print terminal is to print out said received certificate data, said print terminal reads said microchip ID again, verifies whether said microchip ID read again is identical with said microchip ID sent already to said certificate issuer or not, and prints said certificate data on said print form so that said print form is verified after said verification is made.

1 5. (original) A certificate issuing method according to Claim 4,
2 wherein said certificate issuer communication means is capable of performing
3 communication with a verification terminal having microchip reading means for reading
4 microchip ID in a microchip attached to a print form on which certificate data is printed, display
5 means for displaying received data, and verification terminal communication means; and
6 wherein said certificate issuing method further comprising the steps of:
7 receiving said microchip ID through said certificate issuer communication means,
8 after said microchip ID is sent from said verification terminal;
9 reading said certificate data in association with said microchip ID received from
10 said issue management storage means and said certificate storage means; and
11 sending said read certificate data to said verification terminal through said
12 certificate issuer communication means so that said certificate data is displayed on said display
13 means of said verification terminal.

1 6. (original) A certificate issuing method according to Claim 4, wherein a
2 personal identification number, as well as said personal certification ID and said microchip ID, is
3 sent from said print terminal.

1 7. (canceled)

1 8. (original) A certificate issuing method according to Claim 4, wherein said
2 personal certification ID is ID which is issued when an applicant for applying for a certificate
3 registers said certificate data in said certificate issuer and which is stored in association with said
4 certificate data.

1 9. (original) A certificate issuing method according to Claim 4, wherein said
2 certificate issuer system further comprises a fee charging means, said fee charging means
3 charging a fee when said certificate data is issued.

1 10. (original) A certificate issuing method according to Claim 5, further
2 comprising the steps of:
3 sending a mail address, as well as said personal certification ID and said
4 microchip ID, from said print terminal;
5 storing said sent mail address in said issue management storage means; and
6 sending a notification that there is a verification request to said mail address
7 stored in said issue management storage means, when said request for verification is made from
8 said verification terminal.

1 11. (original) A certificate issuing method according to Claim 5, wherein,
2 when a request for applying for one kind of certificate, as well as said personal certification ID
3 and said microchip ID, is sent from said print terminal, said certificate issuer system sends
4 certificate data corresponding to said sent request.

1 12. (previously presented) In a certificate issuer system comprising:
2 a print terminal having a print means for printing certificate data on a print form;
3 a certificate issuer system located at a remote location away from a user's home
4 having certificate issuer communication means for performing communication with a
5 verification terminal;
6 certificate storage means for storing certificate data; and
7 issue management storage means for storing certificate issue management data,
8 said certificate issuer system being capable of performing communication with said verification
9 terminal having microchip reading means for reading microchip ID in a microchip attached to a
10 print form on which said certificate data is printed, said microchip having a unique microchip ID
11 associated with the print form, display means for displaying received data, and verification
12 terminal communication means;
13 a certificate verifying method comprising the steps of:
14 receiving said microchip ID through said certificate issuer communication
15 means, after said microchip ID is sent from said verification terminal;

16 reading certificate data in association with said received microchip ID
17 from among said stored certificate data with reference to said issue management storage means
18 and said certificate storage means; and
19 sending said read certificate data to said verification terminal through said
20 certificate issuer communication means so that said certificate data is displayed to indicate that
21 when said print form is attached with said microchip ID, said form is verified on said display
22 means of said verification terminal.

1 13. (original) A certificate verifying method according to Claim 12, further
2 comprising the steps of:
3 storing a mail address together with said certificate data in said certificate storage
4 means; and
5 sending a notification that there is a verification request to said stored mail
6 address, when said request for verification is made from said verification terminal.

1 14. (previously presented) A certificate issuing system comprising:
2 certificate issuer communication means performing communication with a print
3 terminal located in a user's home having print means for printing certificate data on a print form,
4 microchip reading means for reading microchip ID in a microchip built in said print form, said
5 microchip having a unique microchip ID associated with the print form, input means for
6 inputting personal certification ID, and print terminal communication means;
7 certificate storage means for previously storing certificate data;
8 issue management storage means for storing certificate issue management data;
9 and
10 control means for controlling said certificate issuer communication means, said
11 certificate storage means and said issue management storage means,
12 wherein, when said personal certification ID and said microchip ID sent from said
13 print terminal are received through said certificate issuer communication means,
14 said control means performs control so as to read said certificate data in
15 association with said personal certification ID from among said previously stored certificate data

16 stored in said certificate storage means, so as to store said received microchip ID and said
17 certificate data to be issued in association with said issue management storage means, and so as
18 to send said certificate data in association with said personal certification ID, as data to be
19 printed on said print form having said microchip built therein, to said print terminal through said
20 certificate issuer communication means,

21 wherein said certificate issuer communication means is capable of performing
22 communication with a verification terminal having microchip reading means for reading
23 microchip ID of a microchip attached to a print form on which certificate data is printed, display
24 means for displaying received data, and verification terminal communication means, and

25 wherein, when said microchip ID sent from said verification terminal is received
26 through said certificate issuer communication means, said control means performs control so as
27 to read said certificate data in association with said received microchip ID from said issue
28 management storage means and said certificate storage means, and controls said certification
29 issuer communication means to send said read certificate data to said verification terminal so that
30 said certificate data is displayed to indicate that when said print form is attached with said
31 microchip ID, said form is verified on said display means of said verification terminal.

1 15. (canceled)

1 16. (previously presented) A certificate verifier system comprising:

2 certificate verifier communication means performing communication with a
3 verification terminal located at a remote location away from a print terminal located in a user's
4 home having microchip reading means for reading microchip ID in a microchip built in a print
5 form on which certificate data is printed, said microchip having a unique microchip ID
6 associated with the print form, display means for displaying received data, and verification
7 terminal communication means;

8 certificate storage means for storing said certificate data;

9 issue management storage means for storing certificate issue management data;

10 and

11 control means for controlling said certificate verifier communication means, said
12 certificate storage means and said issue management storage means,
13 wherein, when said microchip ID sent from said verification terminal is received
14 through said certificate verifier communication means,
15 said control means performs control so as to read said certificate data in
16 association with said received microchip ID from said issue management storage means and said
17 certificate storage means, and controls said certificate verifier communication means to send said
18 read certificate data to said verification terminal so that said certificate data is displayed to
19 indicate that when said print form is attached with said microchip ID, said form is verified on
20 said display means of said verification terminal.

1 17. (Previously presented) A certificate issuing machine comprising:
2 a database for storing personal ID and identity papers, which are provided by an
3 applicant, in association with personal data of said applicant;
4 a communication interface for receiving a request made by said applicant for
5 applying for a certificate to which a personal identification number is attached, and for receiving
6 data in association with microchip ID built in said certificate made by said request for applying
7 for said certificate; and
8 a controller connected to said database and said communication interface so as to
9 perform control such that said personal data in said database in association with said personal
10 identification number and said identity papers is sent to said applicant for issuing said certificate
11 which is to be verified when said microchip having said microchip ID is built in said certificate
12 through said communication interface in a form of said requested certificate,
13 wherein said certificate issuing machine is located at a remote location away from
14 a print terminal located in a user's home.

1 18. (original) A certificate issuing machine according to Claim 17, further
2 comprising a charging unit for storing a fee in accordance with transmission of said personal data
3 of said database in said certificate form correspondingly to said personal data of said applicant in
4 said database, in conformity with a condition of said certificate issuing request.

1 19. (original) A certificate issuing machine according to Claim 18, wherein
2 data for requesting said corresponding fee stored in said database is sent to said communication
3 interface in association with a verification request for verifying said issued personal data of said
4 applicant.

1 20-36. (canceled)

1 37. (Currently amended) A method of printing in a printer terminal which
2 communicates with a data manager comprising:
3 attaching a microchip to one of a plurality of print forms, said microchip having a
4 unique microchip ID to others;
5 reading a microchip ID of a microchip built in a paper, said microchip having a
6 unique microchip ID associated with the paper;
7 sending the microchip ID to the data manager;
8 receiving data for printing sent from the data manager;
9 printing the data for printing onto the paper having the microchip so that said
10 paper is verified, wherein at least some of the data for printing are associated with the microchip
11 ID in the data manager,
12 wherein said printer terminal is located in a user's home.

1 38. (previously presented) A method as in claim 37 further comprising;
2 reading the microchip ID again;
3 before printing verifying whether the microchip ID read again is identical with the
4 microchip ID sent to the data manager.

1 39. (previously presented) A method as in claim 37 further comprising
2 sending a request for applying one type of printing data with the microchip ID to the data
3 manager.

1 40. (previously presented) A method as in claim 37 further comprising
2 sending a personal certificate ID and a personal identification number with the microchip ID to
3 the data manager.

1 41. (Currently amended) A computer readable program product stored on a
2 printer terminal readable medium for controlling a printer terminal having a reader, a
3 communication circuit, a controller and a printer, the program product comprising:
4 code for attaching a microchip to one of a plurality of print forms, said microchip
5 having a unique microchip ID to others;
6 code for a read procedure that makes the reader read a microchip ID of a
7 microchip built in a paper, said microchip having a unique microchip ID associated with the
8 paper;
9 code for a send procedure that makes the communication circuit send the
10 microchip ID to the data manager;
11 code for a receive procedure that makes the communication circuit receive data
12 for printing sent from the data manager after verification;
13 code for a print procedure that makes the printer print the data for printing onto
14 the paper having the microchip so that said paper is verified, wherein at least some of the
15 printing data are associated with the microchip ID in the data manager,
16 wherein said printer terminal is located in a user's home.

1 42. (previously presented) A program product according to claim 41, further
2 comprising;
3 code for a read procedure that makes the reader read the microchip ID again; and,
4 code for a verify procedure that makes the controller verify before printing
5 whether the microchip ID read again is identical with the microchip ID sent to the data manager.

1 43. (previously presented) A program product according to claim 41 wherein,
2 the code for the send procedure causes the communication circuit send a request for applying one
3 kind of printing data with the microchip ID to the data manager.

1 44. (previously presented) A program product according to claim 41, wherein
2 the code for the send procedure causes the communication circuit to send a personal certificate
3 ID and a personal identification number with the microchip ID to the data manager.

1 45. (previously presented) A printer terminal, comprising:
2 a reader which reads a microchip ID of a microchip built in a paper, said
3 microchip having a unique microchip ID associated with the paper;
4 a communication circuit which sends the microchip ID read by the reader to a
5 data manager, and which also receives data for printing sent from the data manager after
6 verification; and
7 a printer which prints the data for printing to the paper, wherein at least some of
8 the data for printing are associated with the microchip ID in the data manager,
9 wherein said printer terminal is located in a user's home.

1 46. (previously presented) A printer terminal according to claim 45, further
2 comprising a controller which controls the reader to read the microchip ID again before printing
3 data to the paper, and verifies whether the microchip ID read again is identical with the
4 microchip ID sent to the data manager, and then controls the printer to cause it to print the
5 printing data to the paper.

1 47. (previously presented) A printer terminal according to claim 45 further
2 comprising an input device which inputs a request for applying one type of the printing data,
3 wherein the communication circuit sends the request with the microchip ID to the data manager.

1 48. (previously presented) A printer terminal according to claim 45 further
2 comprising an input device which inputs a personal certificate ID and a personal identification

3 number; wherein the communication circuit sends the personal certificate ID and the personal
4 identification number with the microchip ID to the data manager.

49-56. (canceled)

1 57. (previously presented) A certificate issuing method according to claim 1,
2 further comprising a step of displaying said first certificate data on a display of said print
3 terminal for the sake of the applicant after said first certificate data is received at said input
4 terminal.